

Koch, Kristine

From: GAINER Tom <GAINER.Tom@deq.state.or.us>
Sent: Wednesday, May 07, 2014 2:05 PM
To: Koch, Kristine
Subject: RE: Portland Harbor COCs and PRGs

Kristine-

The "new" TPH PRG is listed as TPH (C-10 to C-12 aliphatic/aromatic) = 2.6 ug/L. I believe the analysis/reporting for aliphatic and aromatic are separate, so is the PRG TPH C-10 to C-12 aliphatic = 2.6 ug/L and TPH C-10 to C-12 aromatic = 2.6 ug/L, or is it TPH C-10 to C-12 aliphatic + aromatic = 2.6 ug/L? Or something else?

Thanks-
Tom

From: Koch, Kristine [mailto:Koch.Kristine@epa.gov]
Sent: Friday, April 11, 2014 7:38 PM
To: LIVERMAN Alex; Allen, Elizabeth; Audie Huber (audiehuber@ctuir.com); Bob Dexter; brandy.humphreys@grandronde.org; Brian Cunnighame (cunnighame@gorge.net); callie@ridolfi.com; Conley, Alanna; Erin Madden (erin.madden@gmail.com); Fuentes, Rene; Gail Fricano (gfricano@indecon.com); Genevieve Angle (Genevieve.Angle@noaa.gov); Humphrey, Chip; JD Williams (jd@williamsjohnsonlaw.com); PETERSON Jenn L; Jeremy_Buck@fws.gov; Julie Weis (jweis@hk-law.com); Matt Johnson (matt@williamsjohnsonlaw.com); MCCLINCY Matt; Michael.karnosh@grandronde.org; POULSEN Mike; Muza, Richard; rdelvecchio@indecon.com DelVecchio; Robert.Neely@noaa.gov; rose@yakamafish-nsn.gov; Sheldrake, Sean; Shephard, Burt; Susan J. Penoyar (PenoyarSJ@cdm.com); Todd King (KingTW@cdmsmith.com); tomd@ctsi.nsn.us; GAINER Tom
Subject: FW: Portland Harbor COCs and PRGs

All – I have updated the COC and PRG tables based on several comments I have received from you and the LWG. Please look over the tables and let me know if you have any comments or questions by April 25, 2014. We can discuss this at the next FS Team meeting next Wednesday, too.

Have a great weekend,
Kristine

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900, M/S ECL-115
Seattle, Washington 98101-3140

(206)553-6705
(206)553-0124 (fax)
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)

From: Koch, Kristine
Sent: Friday, April 11, 2014 7:36 PM
To: Bob Wyatt (rjw@nwnatural.com); Jim McKenna (jim.mckenna@verdantllc.com)

Cc: 'Jennifer Woronets'

Subject: Portland Harbor COCs and PRGs

Bob and Jim – here are the updates to the COC and PRG tables. We have incorporated all information provided by the LWG. If you have any outstanding issues or identify any errors, please provide them to me by April 25, 2014.

1. We have moved the water PRGs for PCBs and DDX from RAO 6 to RAO 7 and have included the Alternative TRVs from the BERA for RAO 7 for these two contaminants.
2. Manganese was identified in the BERA as ES in TZW, so the COC list will remain unchanged.
3. Hexachlorobenzene for sediment in RAO 2 was calculated as follows:
The general PRG equation for chemicals where BSAFs were developed is $C_{sed} = ((C_{tiss}/f_{lipid}) \times f_{oc}) / BSAF$
LWG developed BSAFs for crappie, bullhead, and carp. None for bass, so we left those out. The lipid data for all results was provided by Burt from the BERA; Elizabeth took the simple mean of the data (bullhead = 2.4%, carp = 8.8%, crappie = 5.2%). Target concentration is 0.63 µg/kg. That calculates three different sediment concentrations, assuming equal proportions of those three fish in the diet. The final value is the reciprocal of the sum of the reciprocals, which is 0.04 µg/kg.
4. Carcinogenic PAHs PRG for sediment in RAO 2 was calculated using clams as described in the attached document.
5. EPA has re-evaluated PECs and PELs for the CBRA. In doing so, it was determined that PELs do not line up well with benthic toxicity. As such, the RBT for Benthic are only using PECs.
6. Dioxin/furan RBT was not developed for bird egg exposure.

Regards,

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900, M/S ECL-115
Seattle, Washington 98101-3140

(206)553-6705
(206)553-0124 (fax)
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)